

9	O LL LL Solonce & Engineering for the Envi	recusers					CORE LOG			
Project:	EHOU M	onitoring 2	017	Station	ID: J7-c5		Location: Eagle Harbo	r	Page 1 of 1	
Lat: Long: 47°37.15569 122°30.20065				Datum: NAD 83/91		Name of Driller: SEE/HDR	Marin	Drilling Firm: e Sampling Services		
Collection Date: 20 Jan 2017 Collection Ti						ype: vibracore	Core Size: 4 (in)	c camping cervices		
Elevation: -3.8 ft Elevation Datum							ation: 7 ft	Acquisition: 3.6	ft	
Tide Time/Height: 11:40:00 AM / 12.5 ft					ILLVV		nt Recovery: 51.4%	Accept/Reject: Ac		
	ged: 25 J		1	ged: 11:0)5 AM	 	of Core Logger: David Browning	Name of Sampler:		
Depth (ft)	USCS	Munsell Color	Core Photos	Sample Depth (ft)	Sample Number	Log	CORE MATERIA		ı	
	SP	2.5Y 3/1		(11)	, po		POORLY GRADED SAND, (SP SAND, with shell frag, no odor, staining Soft, damp, slightly silt large hose clam sheel fragment	damp, poorly y, medium sar :s (4 - 8 cm).	sorted, soft, no nd with several	
 1 	GP	2.5Y 4/1			Cores were photographed, logged.		No odor, no sheen. Few strands of algae at the surface POORLY GRADED GRAVEL WITH SAND, (GP) (2.5Y 4/1), gravel grained, SANDY GRAVEL, trace clay, no odor, damp, poorly sorted, firm, no staining Firm, damp, trace clayey sandy gravel. Clay floats out with application of water. No odor, no sheen		GP) (2.5Y 4/1), no odor, damp, ace clayey sandy er.	
 2	GP	2.5Y 4/2			No sample s taken. Cores were photographed, log and noted for presence/absence of hydrocarbons	n. Cores were psence/absence		POORLY GRADED GRAVEL V gravel grained, SANDY GRAVE sorted, loose, no staining Loose fines in the interstices. \(\) No odor, no sheen	EL, no odor, di	amp, poorly
	GP-GC	2.5Y 4/1				POORLY GRADED GRAVEL V (GP-GC) (2.5Y 4/1), gravel grai clay, no odor, damp, poorly sort damp, slightly clayey sandy gra sands and gravels. Gravels are sub-rounded. Glacial material	ned, SANDY (ted, dense, no vel. Fines are	GRAVEL, trace staining Dense, interstitial to		
_			000000000000000000000000000000000000000			Park)	Acquisition D Actual bottom of b			
—4— — —							Surface Elevation has been cor subsequent elevations are calco All depths expressed are distant	ulated from Sเ	urface Elevation.	
—5— —										
-6-										
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_										
—7— —										
_										



Project: EHOU Monitoring 2017 Station ID: JB-c3 Name of Driller: Eagle Harbor Page 1 of 1	Solonce & Englasering for the Endrewment		CORE LOG		
Arrivation Date: 20 Jan 2017 Collection Date: 20 Jan 2017 Collection Date: 12:14 PM Core Type: vibracore Core Size: 4 (in)	Project: EHOU Monitoring 2	Station ID: J8-c	Location: Eagle Harbo	Page 1 of 1	
Collection Date: 20 Jan 2017 Collection Time: 12:14 PM Core Type: vibracore Core Size: 4 (in) Elevation: -5.2 ft Elevation Datum: MLLW Penetration: 4.7 ft Acquisition: 2.2 ft Tide Time-Height: 12:28:00 PM / 11.9 ft Date Logged: 25 Jan 2017 Time Logged: 12:00 AM Name of Core Logge: David Browning Name of Sampler: Depth (ft) USCS Munsell Color Photos Depth (ft) Photos Depth (ft) Number of Core Logge: David Browning Name of Sampler: Depth (ft) USCS Munsell Color Photos Depth (ft) Number of Sample Sample Openh (ft) Number of Sample Sample Openh (ft) Number of Sample Sample Openh (ft) Number of Sample Sample Sample Sample Openh (ft) Number of Sample Sa		9		-	
Elevation: -5.2 ft Elevation Datum: MLLW Penetration: 4.7 ft Acquisition: 2.2 ft Tide TimeHeight: 12:28:00 PM / 11.9 ft Percent Recovery: 46.8% AcceptReject: Accepted Date Logged: 25 Jan 2017 Time Logged: 12:00 AM Name of Core Logger: David Browning Name of Sampler: Depth USCS Munsell Color Photos Depth (ft) Photos Photos Photos Sample: Sample (ft) Photos Support (ft) Sample Photos Support (ft) Sample Photos Support (ft) Sample Sa				· -	
Tide Time/Height: 12:28:00 PM / 11:9 ft Date Logged: 25 Jan 2017 Time Logged: 12:00 AM Name of Core Logger: David Browning Name of Sampler: Depth (ft)	Elevation: -5.2 ft	Elevation Datum: MLLW	 	` '	
Date Logged: 25 Jan 2017 Time Logged: 12:00 AM Name of Core Logger: David Browning Name of Sampler: Depth (ft) USCS Munsell Color Core Photos Sample Photos Sample Photos Sample Photos Core Photos Sample Photos Core Photos Sample Photos Core Ph	Tide Time/Height: 12:28:00 P	М / 11.9 ft	Percent Recovery: 46.8%	<u>'</u>	
GP 2.5Y 3/1 GP 2.5Y 3/3 GP 2.	Date Logged: 25 Jan 2017	Time Logged: 12:00 AM	Name of Core Logger: David Browning	Name of Sampler:	
gravel grained, SANDY GRAVEL, trace silt, some shell frag, hydrogen sulfide odor, moist, poorly sorted, firm, no staining Loose, moist, very sandy gravel. Sands and gravels are lithic and subrounded. Slight H2S odor in upper 6 cm. Minor (<10%) silt component in upper core. Several small shell fragments in upper 10 cm. Shell frags are <i>Tresus capax</i> , barnacles on one 2 cm gravel at top of core. Becomes more consolidated/harder with depth in core as gravels become more compact POORLY GRADED GRAVEL WITH SAND, (GP) (2.5Y 3/3), gravel grained, SANDY GRAVEL, trace silt, some shell frag, hydrogen sulfide odor, moist, poorly sorted, firm, no staining Acquisition Depth -7.4 feet. Actual bottom of borehole at 4.7 feet. Surface Elevation has been corrected for Tide Height, and all subsequent elevations are calculated from Surface Elevation.		Core Depth Sample		AL DESCRIPTION	
	GP 2.5Y 3/1	Core photos from 0 - 1 ft bms washed out and unuseable and noted for presence/absence of hydrocarbons	POORLY GRADED GRAVEL of gravel grained, SANDY GRAVI hydrogen sulfide odor, moist, p Loose, moist, very sandy gravel and subrounded. Slight H2S of (<10%) silt component in uper fragments in upper 10 cm. She barnacles on one 2 cm gravel as gravels become more composite of the gravel grained, SANDY GRAVI hydrogen sulfide odor, moist, p Acquisition Datum Actual bottom of the Surface Elevation has been consubsequent elevations are calculated.	WITH SAND, (GP) (2.5Y 3/1), EL, trace silt, some shell frag, coorly sorted, firm, no staining el. Sands and gravels are lithic dor in upper 6 cm. Minor core. Several small shell ell frags are <i>Tresus capax</i> , at top of core. arder with depth in core cact WITH SAND, (GP) (2.5Y 3/3), EL, trace silt, some shell frag, coorly sorted, firm, no staining Depth -7.4 feet. Corehole at 4.7 feet. Corehole at 4.7 feet. Coreted for Tide Height, and all culated from Surface Elevation.	



9	CORE LOG									
Project:	t: EHOU Monitoring 2017			Station	ID: J8-c5 (Location: Eagle Harbo		Page 1 of 1		
	Lat: Long:		Datum:		Name of Driller:		Drilling Firm:			
	47°37.11528 122°30.20146				D 83/91		SEE/HDR	Marine Sampling Services		
Collection Date: 20 Jan 2017 Collection Time: 9:40						<u> </u>	ype: vibracore	Core Size: 4 (in)		
							ation: 5 ft	Acquisition: 1.7 ft		
		:48:00 AM	1				tt Recovery: 34.0%	Accept/Reject: Accepted		
Date Log	Date Logged: 30 Dec 1899 Time Logged: 9:00 AM					Name o	of Core Logger: David Browning	Name of Sampler:		
Depth (ft)	USCS	Munsell Color	Core Photos	Sample Depth (ft)	Sample Number					
	SW	2.5Y 2.5/1				. U	POORLY GRADED SAND WIT grained, SILTY SAND, hydroge Soft, moist, organic very silty fin	n sulfide odor, well sorted, soft		
—1— —	GP	2.5Y 2.5/1		36-C7	No sample s taken. Cores were photographed, logged, and noted for presence/absence of hydrocarbons		odor, no sheen POORLY GRADED SAND WIT grained, SILTY SAND, hydroge Firm, moist, slightly silty coarse sheen, poorly sorted, no grading subrounded. Stained from overl	n sulfide odor, well sorted, soft sandy gravel. No odor, no g. Gravels are lithic; rounded to ying deposit		
	SP	5Y 3/2			No pho pre	. 0	POORLY GRADED SAND WIT sand grained, GRAVELLY SAN sorted, firm, no staining Firm, da to coarse sand. No sorting, no Gravels are subrounded lithics	D, no odor, moist, poorly amp, slightly gravelly, medium		
2										
							Acquisition De Actual bottom of bo			
							/ total bottom of bo	Storiolo di 0.0 loci.		
_							Surface Elevation has been corr subsequent elevations are calcu	llated from Surface Elevation.		
							All depths expressed are distant	ce below mudline.		
3-										
4										
5										



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Project:	EHOU M	onitoring 2	017	Station	ID: K7-c5		Location: Eagle Harbo	r	Page 1 of 1	
	Lat: Long:				Datum: NAD 83/91		Name of Driller:	Mania	Drilling Firm:	
47°37.15716 122°30.14245 NA Collection Date: 20 Jan 2017 Collection Time: 11						SEE/HDR Core Type: vibracore		Core Size: 4 (in	ne Sampling Services	
Elevation: -10 ft Elevation Datum: MLLW						+	ation: 7 ft	Acquisition: 4.6	,	
		1:12:00 Al			ILLVV	-	nt Recovery: 65.7%	Accept/Reject: A		
	ged: 25 J		Time Logo		00 AM		of Core Logger: David Browning	Name of Sampler:		
Depth (ft)	USCS	Munsell Color	Core Photos	Sample Depth (ft)	Sample Number	Log	CORE MATERIA	<u>'</u>	N	
	SP	5Y 4/2					POORLY GRADED SAND, (SF SAND, slightly silt, trace shell fr sorted, soft, no staining Soft, m cm of slightly siltier material with	rag, no odor, i oist, slightly s h a 2.5Y 3/2 d	moist, poorly ilty fine sand. 1-3	<u>0</u> .
	GP	5Y 4/3			No sample s taken. Cores were photographed, logged, and noted for presence/absence of hydrocarbons	400000000000000000000000000000000000000	Minor very small (25 mm) shell No odor, no sheen. Attempted length of core POORLY GRADED GRAVEL V gravel grained, SANDY GRAVE damp, poorly sorted, firm, no st sandy gravel. Gravels are norn Poorly graded below. Gravels are lithic and sub-round 2 cm band from 63 - 65 cm who also present in matrix. Gravels are up to 8 cm.	to float sheer VITH SAND, it EL, some she aining Firm, c nally graded f ded to rounde ere small shel	(GP) (5Y 4/3),	<u>2</u>
	SP	5Y 4/2			No sample and noted		sand grained, GRAVELLY SAN sorted, firm, no staining Firm, d No shell fragment. Gravels are	lD, no odor, d amp, gravelly	lamp, poorly medium sand.	
_			6.5	100		<u> </u>	Acquisition De Actual bottom of b			
_5 							Surface Elevation has been cor subsequent elevations are calc All depths expressed are distan	ulated from S	urface Elevation.	
_6 										
_										



Solance & Engineering for the Environm	HANT					CORE LOG			
Project: EHOU Moi	EHOU Monitoring 2017 Station ID: K8-c5					Location: Eagle Harbo	Page 1 of 1		
Lat:				Datum:		Name of Driller:	Maria	Drilling Firm:	
47°37.11668	47°37.11668 122°30.14176 NA ollection Date: 20 Jan 2017 Collection Time: 10			O 83/91	Core Ty	SEE/HDR ype: vibracore	Marine Sampling Services Core Size: 4 (in)		
					<u> </u>	ation: 7 ft	Acquisition: 4.7 ft		
Tide Time/Height: 10	:24:00 AM	// 12.9 ft			Percen	t Recovery: 67.1%	Accept/Reject: Ac	ccepted	
Date Logged: 25 Jar	n 2017	Time Logged	d: 9:55	AM	Name o	of Core Logger: David Browning	Name of Sampler:	Tim Thompson	
Depth (ft) USCS	Munsell Color		Sample Depth (ft)	Sample Number	Log	CORE MATERIA	L DESCRIPTION	I	
SP	2.5Y 3/1		N. Comments of the Comments of	, logged, ons		POORLY GRADED SAND, (SP SAND, some shell fragments, n staining Soft, moist, slightly silty Shell fragments at surface. Poly No sheen. Attempted to float or Slight H2S odor in 0 - 4 cm	o odor, moist, , well-sorted r rchaete at 25 out sheen - no s	poorly sorted, soft nedium sand. cm. sheen.	, no _ <u>1</u> .0
GP	2.5Y 4/1			Cores were photographed, logged, nce/absence of hydrocarbons		POORLY GRADED GRAVEL WITH SAND, (GP) (2.5Y 4/1), gravel grained, SANDY GRAVEL, little silt, no odor, moist, poorly sorted, firm, no staining Moist, firm, medium sandy gravel. Sands and gravels are lithic and sub-rounded. Minor silt component (<10%)			,_ <u>1</u> .6_
GP	2.5Y 3/3			en. Cores were		POORLY GRADED GRAVEL W gravel grained, SANDY GRAVE sorted, dense, no staining Moist Gravels and sands are lithic. N	L, no odor, m , coarse, sand	oist, poorly dy gravels.	<u>2</u> .3
	2.5Y 4/3			No sample s taken. Cores were photographed, logand noted for presence/absence of hydrocarbons		sand/gravel_interstices. POORLY GRADED GRAVEL W (2.5Y 4/3), gravel grained, SAN odor, damp, dense, no staining coarse sandy gravel. Sand and clay. Glacial gravels are sub-ro in long axis. Uniform throughout No odor, no sheen.	DY GRAVEL, Dense, damp gravel intersti unded to roun	slightly clay, no , slightly clayey ices filled with	_ 4.2
GP						(GP) END OF CORE CORE CATCHER			
5_	,	,				Acquisition Actual bottom of	Depth -8.6 fee borehole at -7	et. '.0 feet.	
						Surface Elevation has been cor subsequent elevations are calcu All depths expressed are distan	ulated from Su	urface Elevation.	
6—									
7—									



Solonce & Engineering for the Endocranect		CORE LOG	
Project: EHOU Monitoring 2	O17 Station ID: L8-c5	Location: Eagle Harbo	r Page 1 of 1
	Long: Datum: 80.08187 NAD 83/91	Name of Driller: SEE/HDR	Drilling Firm: Marine Sampling Services
Collection Date: 20 Jan 2017	Collection Time: 10:52 AM	Core Type: vibracore	Core Size: 4 (in)
Elevation: -2.2 ft	Elevation Datum: MLLW	Penetration: 7 ft	Acquisition: 4.5 ft
Tide Time/Height: 10:50:00 AM		Percent Recovery: 64.3%	Accept/Reject: Accepted
Date Logged: 25 Jan 2017	Time Logged: 12:00 AM	Name of Core Logger: David Browning	Name of Sampler:
Date Logged. 20 dan 2017		Name of ode Logger. Bavia Browning	Nume of Sumper.
Depth (ft) USCS Munsell Color	Core Photos Sample Depth (ft) Sample Number	Log CORE MATERIA	L DESCRIPTION
	Cores were photographed, logged, nce/absence of hydrocarbons	no odor, moist, poorly sorted, fir Firm, damp, slightly slilty fine-to Intact eelgrass at surface with the Several small shell fragments (Minor fragments of Gracilaria at H2S odor, no sheen. Tried to flasheen	SAND, with silt, some shell frag, rm, no stainingmedium sand. urion Macoma) t sediment-water-interface Slight oat sheen out with water - no
	No sample s taken. Cores were photographed, lo	At 2 ft bms two, small 0.5 x 2 cr POORLY GRADED GRAVEL V (GP-GM) (2.5Y 3/1), gravel grain silt, no odor, moist, poorly sorted damp, slightly silty sandy grave to gravels Gravels are lithic and subround gravels	VITH SILT AND SAND, ined, SANDY GRAVEL, little d, dense, no staining Dense, l. Sands and silts are interstitial
	No sample and noted fi	No odor, no sheen POORLY GRADED GRAVEL V (2.5Y 4/1), gravel grained, SAN trace silt, no odor, moist, poorly Loose, damp, sandy gravel with	DY GRAVEL, with shell frag, sorted, loose, no staining
GP-GC 2.5Y 4/1		silt. Gravels are subrounded to Shells are fragmented and particles axidomus and Protothaca POORLY GRADED GRAVEL V	rounded ially weathered <i>Tresus</i>
		(GP-GC) (2.5Y 4/1), gravel grai clay, no odor, damp, poorly gra- damp, slightly clayey, sandy gra poorly graded. Gravels are <u>lithic</u> subrounded to rounded	ded, dense, no staining Dense, avel. Glacial. Pooly sorted and
		END OF CORE	
		Acquisition Dep Actual bottom of bor	ehole at 7.0 feet.
		Surface Elevation has been corre subsequent elevations are calcula All depths expressed are distance	ated from Surface Elevation.